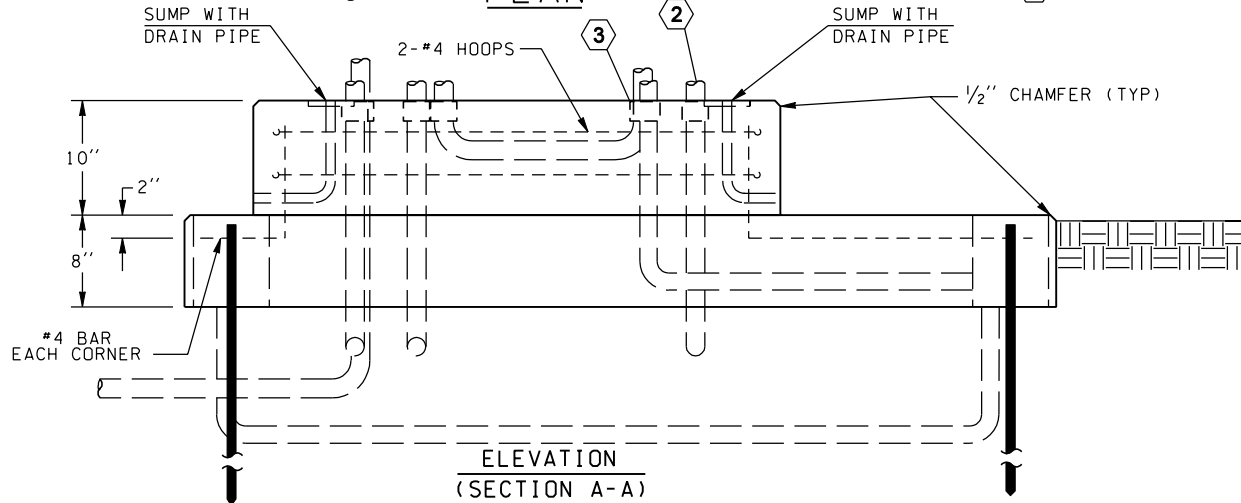


GENERAL NOTES

1. THE CABINETS SHALL BE ATTACHED TO THE FOUNDATION WITH STAINLESS STEEL CINCH BOLTS PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL BE DONE IN DRY CONDITIONS. BOLTS SHALL EXTEND A MINIMUM OF 1½" ABOVE THE CONCRETE PAD.
2. ALL REINFORCING STEEL SHALL HAVE A MINIMUM OF 2" CLEAR COVER.
3. PLACE A ½" SILICONE SEAL BETWEEN THE CABINETS AND THE FOUNDATION.
4. SEE STANDARD PLAN J-9a "TYPICAL GROUNDING DETAILS" FOR GROUNDING DETAILS. TWO GROUND RODS ARE REQUIRED.
5. INSTALL CONDUIT AS INDICATED IN PLANS. CONDUIT SHALL EXTEND 2" ABOVE THE FOUNDATION.
6. CONCRETE SHALL BE CLASS 3000.

- 1 DRIVE GROUND RODS BEFORE PLACING CONCRETE. MOVE ROD(S) AND DRAIN TILE(S) WITH COVER(S) AS REQUIRED TO ACHIEVE FULL GROUND PENETRATION. MAINTAIN A 6" MINIMUM CLEARANCE BETWEEN GROUND RODS AS DETAILED ON STD. PLAN J-9a "TYPICAL GROUNDING DETAILS".
- 2 ALL CONDUIT PENETRATING CABINET SHALL BE TERMINATED WITH GROUNDING END BUSHING AND BONDED TO THE CABINET GROUNDING BUS.
- 3 INSTALL CONDUIT COUPLINGS ON ALL CONDUITS. PLACE COUPLINGS FLUSH WITH TOP OF CONCRETE FOUNDATION.



The plan view diagram illustrates the layout of a cabinet base. The overall dimensions are 24 inches by 24 inches. The base is reinforced with #4 bars, including 2 hoops and #4 bars at each corner. A central inset represents the controller cabinet, which is 12 inches wide and 12 inches high. The front of the controller cabinet is labeled 'FRONT'. The base has a 4-inch diameter, 1/2-inch deep sump at each corner, sloped towards the sump. The sump is made of 3/8-inch polyethylene or copper drain pipe. The base is supported by a 1-inch thick cabinet base. The diagram includes a north arrow pointing up and a section line A-A.

4" DIA. x 1/2" DEEP SUMP.
SLOPE FOUNDATION TOWARDS
SUMP. 3/8" POLYETHYLENE OR
COPPER DRAIN PIPE.

#4 BAR
EACH CORNER

2 - #4 HOOPS

CONTROLLER
CABINET

FRONT


24"

1"

1"

24"

PLAN

FILE NAME s:\414126\Electrical\MASTER_FILES\DETAILS\CONTROL_E.DGN										 <p>Washington State Department of Transportation</p>		<p>SIGNAL CONTROLLER CABINET AND TRANSFORMER ON PAD FOUNDATION</p>		PLOT1	
TIME 01:05:45 PM		TITLE CHNG, NOTE EDITS		11-20-02 JH		REGION NO. STATE		FED.AID PROJ.NO.						8.01E	
DATE 01/21/2003		COMBINED BOTH FOUND. DETAILS TOGETHER		10-14-02 JH		10 WASH									
		DGN TO SCALE, MOVED CAB		9-25-02 JH											
		TITLE CHANGE		7-16-02 JH		JOB NUMBER									
DESIGNED BY		CLEAN UP DIMENSIONS		6-5-02 JH								SHEET			
ENTERED BY		GENERAL NOTE #4		7-26-99 JH		CONTRACT NO.		LOCATION NO.				OF			
CHECKED BY		ADDED "TYPE 322"		1-12-99 JH								SHEETS			
PROJ. ENGR.		REVISION		DATE		BY									
REGIONAL ADM.															